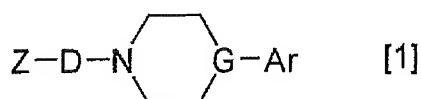


AMENDMENTS TO THE CLAIMS

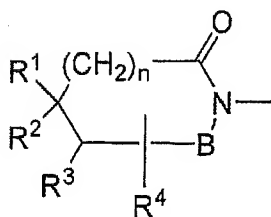
Please amend the claims as follows:

1 – 15. (canceled)

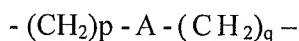
16. (currently amended) A therapeutic agent for the memory/learning dysfunctions caused by schizophrenia, which comprises as an active ingredient an imide derivative of the formula [1]:



{~~wherein~~wherein Z is a group of the formula:



{(in which B is a carbonyl or a sulfonyl; R¹, R², R³ and R⁴ are independently a hydrogen atom or a lower alkyl, provided that R¹ and R², or R¹ and R³ may combine each other to form a hydrocarbon ring, or R¹ and R³ may combine each other to form an aromatic hydrocarbon ring; said hydrocarbon ring may optionally be cross-linked with a lower alkylene or an oxygen atom; said lower alkylene and hydrocarbon ring may optionally be substituted by at least one alkyl; and n is 0 or 1), D is a group of the formula:



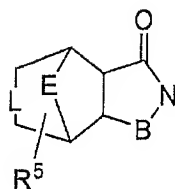
{(in which A is a hydrocarbon ring optionally be cross-linked with a lower alkylene or an oxygen atom; said lower alkylene and said hydrocarbon ring may optionally be

substituted by at least one alkyl; and p and q are independently 0, 1 or 2},
G is N, CH or COH, and -Ar is an aromatic heterocyclic group, an
aromatic hydrocarbon group, benzoyl, phenoxy, or phenylthio, or G is a carbon
atom, and -Ar is a biphenylmethylenide,
wherein said aromatic heterocyclic group, aromatic hydrocarbon group, benzoyl, phenoxy,
phenylthio, and biphenylmethylenide may optionally be substituted by at least one group
selected from a lower alkyl, a lower alkoxy and a halogen atom},
or an acid addition salt thereof.

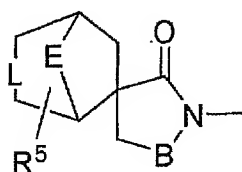
17. (currently amended) The therapeutic agent for the memory/learning dysfunctions
caused by schizophrenia comprising as an active ingredient the imide derivative or an acid
addition salt thereof according to claim 16, wherein Ar is an aromatic heterobicyclic group,
naphthyl, benzoyl, phenoxy or phenylthio, and G is N, CH or COH, or -Ar is a
biphenylmethylenide, and G is a carbon atom {, wherein said aromatic heterobicyclic group,
naphthyl, benzoyl, phenoxy, phenylthio and biphenylmethylenide may optionally be
substituted by at least one group selected from a lower alkyl, a lower alkoxy and a halogen
atom}.

18. (currently amended) The therapeutic agent for the memory/learning dysfunctions
by schizophrenia comprising as an active ingredient the imide derivative or an acid addition
salt thereof according to claim 16, wherein Ar is an aromatic heterocyclic group condensed
with a benzene ring, or naphthyl, benzoyl, phenoxy or phenylthio, {said aromatic heterocyclic
group condensed with a benzene ring, naphthyl, benzoyl, phenoxy, and phenylthio may
optionally be substituted by at least one group selected from a lower alkyl, a lower alkoxy
and a halogen atom}, and G is N, CH or COH.

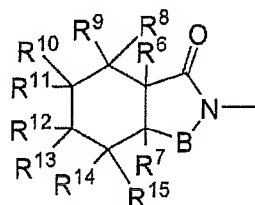
19. (currently amended) The therapeutic agent for the memory/learning
dysfunctions by schizophrenia comprising as an active ingredient the imide derivative or an
acid addition salt thereof according to claim 16, wherein Z is a group of the formula:



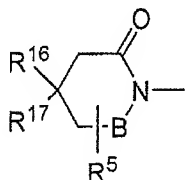
(in which -L- is a single bond or a double bond, E is a lower alkylene optionally substituted by a lower alkyl, or an oxygen atom, R⁵ is a hydrogen atom or a lower alkyl, and B is the same as defined in claim 14);
a group of the formula:



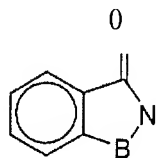
-(in which -L-, E, R⁵ and B are as defined above);
a group of the formula:



(in which R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹², R¹³, R¹⁴, R¹⁵ are independently a hydrogen atom or a lower alkyl, or the adjacent two groups of R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹², R¹³, R¹⁴, R¹⁵ may combine each other to form a double bond, and B is as defined above); a group of the formula:

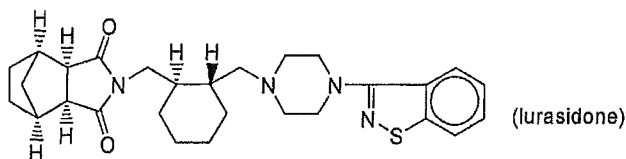


(in which R^{16} and R^{17} are independently a hydrogen atom or a lower alkyl, or R^{16} and R^{17} may combine each other to form a saturated hydrocarbon ring, and R^5 and B are as defined above); or a group of the formula:



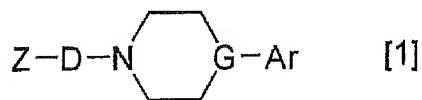
(in which B is as defined above).

20. (currently amended) A therapeutic agent for the memory/learning dysfunctions by schizophrenia comprising as an active ingredient the imide derivative or an acid addition salt thereof, wherein the compound of the formula (1) is lurasidone:

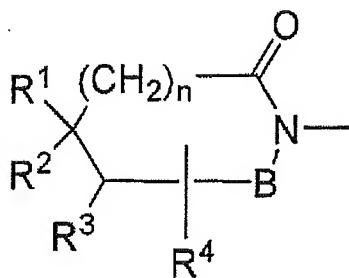


21. (canceled)

22. (new) A method for treating the memory/learning dysfunctions caused by schizophrenia, which comprises as an active ingredient an imide derivative of the formula [1]:



wherein Z is a group of the formula:



in which B is a carbonyl or a sulfonyl; R¹, R², R³ and R⁴ are independently a hydrogen atom or a lower alkyl, provided that R¹ and R², or R¹ and R³ may combine each other to form a hydrocarbon ring, or R¹ and R³ may combine each other to form an aromatic hydrocarbon ring; said hydrocarbon ring may optionally be cross-linked with a lower alkylene or an oxygen atom; said lower alkylene and hydrocarbon ring may optionally be substituted by at least one alkyl; and n is 0 or 1, D is a group of the formula:



in which A is a hydrocarbon ring optionally be cross-linked with a lower alkylene or an oxygen atom; said lower alkylene and said hydrocarbon ring may optionally be substituted by at least one alkyl; and p and q are independently 0, 1 or 2,

G is N, CH or COH, and -Ar is an aromatic heterocyclic group, an aromatic hydrocarbon group, benzoyl, phenoxy, or phenylthio, or G is a carbon atom, and -Ar is a biphenylmethylenide,

wherein said aromatic heterocyclic group, aromatic hydrocarbon group, benzoyl, phenoxy, phenylthio, and biphenylmethylenide may optionally be substituted by at least one group selected from a lower alkyl, a lower alkoxy and a halogen atom, or an acid addition salt thereof.